

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/003042

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 H05K 7/20**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H05K 1/00 - 13/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Japanese utility models since 1974

Korean patents and utility models since 1947

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6097602 A (Marian, Inc.) 01 Aug 2000 See the whole document	1 - 31
A	US 2003/0129863 A1 (International Business Machines Corporation) 10 Jul 2003 See the whole document	1 - 31
P,A	US 2004/0080915 A1 (Koninklijke philips electronics N.V.) 29 Apr 2004	1 - 31

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

*. Special categories of cited documents:
 "A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier application or patent but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search

25 FEBRUARY 2005 (25.02.2005)

Date of mailing of the international search report

25 FEBRUARY 2005 (25.02.2005)

Name and mailing address of the ISA/KR



Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

HONG, Geun Jo

Telephone No. 82-42-481-5747



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/003042

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US6097602A	01.08.2000	AU199964070A1	26.04.2000
		AU6407099A1	26.04.2000
		CA2345642A1	13.04.2000
		CA2345642AA	13.04.2000
		EP01117425A2	25.07.2001
		EP1117425A2	25.07.2001
		EP1117425A2	25.07.2001
		JP2002526417T2	20.08.2002
		JP14526417	20.08.2002
		US06097602	01.08.2000
		US6097602A	01.08.2000
		WO0020024A2	13.04.2000
		WO200020024A2	13.04.2000
		WO200020024A3	06.07.2000
US20030129863A1	10.07.2003	US2003129863A1	10.07.2003
		US2003129863AA	10.07.2003
		US6631078BB	07.10.2003
		US06631078	07.10.2003
US20040080915A1	29.04.2004	NONE	